REQUEST FOR EXPRESSIONS OF INTEREST (CONSULTING SERVICES - INDIVIDUALCONSULTANT SELECTION)

Thailand
Climate Adaptation and Resilience for South Asia (CARE) Project
Loan No./ Credit No./ Grant No.: IDA-D6220

Assignment Title: Individual Consultant – Transport Expert (Clean and Green Energy) - Pakistan
Reference No. (as per Procurement Plan): TH-RIMES-266605-CS-INDV

The Regional Integrated Multi-Hazard Early Warning System (RIMES) has received/has applied for financing from the World Bank toward the cost of the Climate Adaptation and Resilience for South Asia (CARE) Project and intends to apply part of the proceeds for consulting services.

The consulting services ("the Services") include individual consultant – Transport Expert (Clean and Green Energy) – Pakistan who is responsible for assessing the sources of energy and greenhouse gas (GHG) emissions of the automobile sector in Pakistan and recommend strategies for shifting the sector to clean and green sources of energy. The consultant will work under the supervision of the RIMES CARE Project Director and the Member, Food Security and Climate Change, Ministry of Planning Development and Special Initiatives (MoPDSI), Islamabad, Pakistan.

The Terms of Reference (TOR) for the primary procurement stage for the assignment are attached to this request for expressions of interest or can be found at the following website: www.rimes.int and https://www.rimes.int/?q=procurement_notices or via the address given below.

The Regional Integrated Multi-Hazard Early Warning System for Africa and Asia (RIMES)
2nd Floor, Outreach Building,
Asian Institute of Technology Campus,
Klong Nung, Klong Luang, Pathumthani 12120
Thailand

The Regional Integrated Multi-Hazard Early Warning System (RIMES) now invites eligible individual consultant ("Consultants") to indicate their interest in providing the Services. Interested Consultants should provide CV demonstrating that they have the required qualifications and relevant experience to perform the Services. The shortlisting criteria are preferably master's degree, or equivalent, in the field of Transportation, Energy, Climate Change, Economics, International Development, or related field; minimum of 7 years of relevant experience on conducting assessments of clean and green energy transportation (vehicles), developing strategies for shifting to green and clean energy in the automobile sector, marketing and promotion of green and clean energy transportation, and providing advisory support to institutions (public and private) for clean automotive transportation; experience working with international development organizations in the energy and transportation sectors is preferred; knowledge and experience in analytical work related to conducting assessments and developing strategies; cross-cultural awareness and ability to work amongst a diverse group of staff, and partners; experience in dealing with senior government officials and senior management of private companies; required computer proficiencies: Word, Excel, PowerPoint, Microsoft Teams; excellent verbal and written communication skills and capacity to work under pressure and short deadlines; excellent English

proficiency in oral and written communication, including a demonstrated track record in technical report writing and the ability to effectively communicate technical matters to the general audience.

The attention of interested Consultants is drawn to Section III, paragraphs, 3.14, 3.16, and 3.17 of the World Bank's "Procurement Regulations for IPF Borrowers" July 2016 ("Procurement Regulations"), setting forth the World Bank's policy on conflict of interest.

A Consultant will be selected in accordance with the individual consultants method set out in the Procurement Regulations and to be specifically set out in the Request for Expressions of Interest (REoI).

Further information can be obtained at the address below during office hours 08:00 to 17:00 hours Bangkok Standard Time.

Expressions of interest must be delivered in written form to the address below (in person, or by mail, or by fax, or by e-mail) by September 2, 2022.

The Regional Integrated Multi-Hazard Early Warning System for Africa and Asia (RIMES)
Attn: Dusadee Padugkul, Head, Operation Support Department
2nd Floor, Outreach Building, Asian Institute of Technology Campus,
Klong Nung, Klong Luang, Pathumthani 12120, Thailand
Tel: +66 (0) 2 516 5900
Fax: +66 (0) 2 516 5902
E-mail: rimesprocurement@rimes.int

Regional Integrated Multi-Hazard Early Warning System
2nd Fl. Outreach Bldg., AIT Campus, Klong Nung, Klong Luang, Pathumthai 12120, Thailand
Tel/Fax: +662 524 5902 Email: rimes@rimes.int Website: http://www.rimes.int

TERMS OF REFERENCE
Transport Expert (Clean and Green Energy) - Pakistan

1. About RIMES

The Regional Integrated Multi-Hazard Early Warning System for Africa and Asia (RIMES) is an international and intergovernmental institution that is owned and managed by its 48 Member and Collaborating States for building capacities in the generation and application of user-relevant multi-hazard early warning information. RIMES was established on 30 April 2009 through the signing by collaborating countries of the RIMES regional cooperation agreement. RIMES was registered with the United Nations under Article 102 of the UN Charter on 1 July 2009. RIMES operates from its regional early warning center, located at the campus of the Asian Institute of Technology in Pathumthani, Thailand.

RIMES' purpose is to provide early warning services according to differing needs and demands of its Member States, for enhanced preparedness and response to and mitigation of natural hazards. Its specific objectives are:

a) Facilitate the establishment and maintenance of core regional observing and monitoring networks to ensure data availability for early warning;
b) Provide earthquake and tsunami services within the framework of the Intergovernmental Oceanographic Commission of the United Nations Educational, Scientific and Cultural Organization (IOC-UNESCO);
c) Support National Meteorological and Hydrological Services (NMHSs) for providing localized hydro-meteorological risk information within the framework of the World Meteorological Organization (WMO); and
d) Enhance warning response capacities at all levels (national to community) within each national early warning framework.

RIMES provides a portfolio of options for Member States to avail from or contribute to any of these objectives.

2. Background

Socio-economic impacts of climate-related hazards in South Asian countries continue to threaten the countries' economic growth, particularly in key sectors such as agriculture, water, and infrastructure. During the 16th Summit of the South Asian Association for Regional Cooperation (SAARC) in 2010, these countries collectively resolved to strengthen climate resilience. The Climate Adaptation and Resilience for South Asia (CARE) Project aims to contribute in translating this policy into actions through enhanced regional cooperation and knowledge on climate resilience and adaptation, and development of standards and guidelines to facilitate climate-resilient planning and investments.

The project's development objective is to create an enabling environment for climate-resilient policies and investments across South Asia, with the following indicators:

- Increased access to regional climate data and analytics for climate-informed decision-making;
- National-level decision-making and planning that are better climate risk-informed;
- Regional climate resilience guidelines incorporated into national standards;

- Sectoral investments supported to include climate risks and resilient design; and
- Institutional capacities strengthened to undertake climate-informed policies and planning.

The project has three components, for implementation over 5 years:

1) Promoting evidence-based climate-smart decision-making, to enhance access to data required for risk-informed planning and investments;
2) Enabling climate-resilient policies and standards for development, to enhance transformation of policies and capacities for climate resilience and adaptation across South Asia; and
3) Project management and implementation support.

Component 1 is implemented by RIMES. This component involves the creation of a regional resilience data and analytics service (RDAS) platform and decision-support systems (DSSs) for selected sectors of agriculture, water, road transport, planning and finance in Bangladesh, Nepal, and Pakistan. Component 1 also includes capacity development of users of these systems and their products. The RDAS is a cloud-based open-access platform for acquiring, storing, managing, processing, analyzing, visualizing, and reporting data, for use in screening climate risks to inform investments while the DSSs are sector-specific systems linked to the RDAS, and used to assist users in sectoral planning and decision-making.

The RDAS will be a public-domain cloud-based and AI-enabled data and analytics platform that will leverage a range of available data and analytical services of relevance to climate-smart development in the South Asia region. It is expected to enable South Asian countries to make climate-informed decisions and policies for climate resilience, based on more accurate and downscaled data and analytics. The RDAS, in addition to existing climate-related observation and early warning systems in the region, will also support overlaying of different data sources, across climate and socio-economic parameters, to specify hotspots of climate vulnerability across different sectors and timescales, and to support planning and investment decision making. The RDAS will leverage existing data systems in countries and sectors and will deploy tools for analysis and interpretation of global and regional circulation models and generate tailor-made downscaled information scenarios for all SAR countries. As a dynamic platform, it will respond to evolving data needs from sectors and generate, curate and host new climate and thematic data.

3. Objective

The Transport Expert (Clean and Green Energy) – Pakistan, shall assess the sources of energy and greenhouse gas (GHG) emissions of the automobile sector in Pakistan and recommend strategies for shifting the sector to clean and green sources of energy. The consultant will work under the supervision of the RIMES CARE Project Director and the Member, Food Security and Climate Change, Ministry of Planning Development and Special Initiatives, Islamabad, Pakistan.

4. Scope of Work

The Transport Expert (Clean and Green Energy) – will evaluate energy sources and assess greenhouse gas emissions of the automotive sector in Pakistan, then he/she will recommend strategies for shifting to clean and green sources of energy. This includes leading and/or assisting in the following tasks:

- Assess the current state of the automobile sector of Pakistan in relation to energy sources and GHG emissions along with other environmental considerations.
- Assess the current automobile infrastructure and identify the barriers to adopting green infrastructure that supports a clean and low-carbon transport system.
- Conduct a policy analysis and review the regulatory regimes of Pakistan that are intended to reduce GHG emissions in the automotive sector and support the transition towards green and clean energy sources.

- Evaluate existing plans and strategies that support the adoption of clean and green energy sources in the automotive industry.
- Identify global best practices and trends for adopting clean and green energy sources in the automobile sector.
- Based on the analysis, trends, and global best practices, recommend strategies through which Pakistan could adopt and shift its automobile sector to utilizing clean and green energy in the next 10 years.

5. **Expected Deliverables and Outputs**

The Transport Expert (Clean and Green Energy) – Pakistan, will be responsible for the following deliverables:

- Detailed framework and methodology for conducting the assessment of the automotive sector in relation to energy sources.
- Final report that compiles all findings of the assessment, including the methodology, results, summary, conclusions and recommendations for adopting clean and green energy in the automobile sector.

6. Qualifications

- Master's degree, or equivalent, in the field of Transportation, Energy, Climate Change, Economics, International Development, or related field.
- Minimum of 7 years of relevant experience. Proven experience in the following will be advantageous:
    - Conducting assessments of clean and green energy transportation (vehicles)
    - Developing strategies for shifting to green and clean energy in the automobile sector
    - Marketing and promotion of green and clean energy transportation
    - Providing advisory support to institutions (public and private) for clean automotive transportation
- Experience working with international development organizations in the energy and transportation sectors is preferred.
- Knowledge and experience in analytical work related to conducting assessments and developing strategies.
- Cross-cultural awareness and ability to work amongst a diverse group of staff, and partners.
- Experience in dealing with senior government officials and senior management of private companies.
- Required computer proficiencies: Word, Excel, PowerPoint, Microsoft Teams
- Excellent verbal and written communication skills and capacity to work under pressure and short deadlines.
- Excellent English proficiency in oral and written communication, including a demonstrated track record in technical report writing and the ability to effectively communicate technical matters to the general audience.

7. Reporting

The Transport Expert (Clean and Green Energy) – Pakistan will report to RIMES's CARE Project Director and the Member Food Security and Climate Change, Planning Commission, Ministry of Planning, Development and Special Initiatives, Pakistan. S/he will be homebased, with possible travel to Islamabad, Karachi and Lahore, Pakistan.

8. Contract Duration

The contract duration will be for seventy five (75) working days, of which fifty (50) days will be homebased and twenty-five (25) days will be for travel for consultations in Islamabad, Lahore and Karachi in a total period of four (4) months.